OLIN®
Live Now

High Definition Personal Video Recorder (PVR)

OPVR-1200

USER MANUAL

DVB® Digital Video Broadcasting

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

Safety Instructions

- Always read the safety instructions carefully
- Keep this User Manual for future reference
- Keep this equipment away from humidity
- Lay this equipment on a reliable flat surface before setting it up.
- Do not stand it on soft furnishings.
- If any of the following situation arises, get the equipment checked by a service technician:

  - The equipment has been exposed to moisture.

  - The equipment has been dropped and damaged.

  - The equipment has obvious sign of breakage.

  - The equipment has not been working well or you cannot get it work according to User Manual.

WARNING:

- To prevent the risk of electric shock, do not open the cover or the back of the unit.
- Do not block the ventilation holes of the device. Leave appropriate gap above and around it to allow for adequate ventilation.
- Do not place the device in an unventilated cabinet or on top of a unit which emits heat.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or colds.

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Version: OPVR-1200_V1.1

Introduction

This High Definition Digital Terrestrial Receiver is designed to receive terrestrial free-to-air TV broadcast in Australia. It supports both HD and SD programs, furthermore a HDMI output ensuring that the end-user's experience is of the highest performance. HDMI output enables secure transfer of digital signals to the display. In addition, a fully featured remote control is included that offers you access to every feature with only just a simple press.

Main Features

- High Definition Twin Tuner PVR
- External PVR HDD recording via USB
- 500GB internal hard disk
- HDMI Digital Connection
- Simultaneous HD output
- Video output selection: Component (RCA, YPbPr), S-Video, Composite(RCA), HDMI
- 1080i, 720p, 576p, 576i video format support
- 4:3 / 16:9 Pictures
- 7-days Electronic Program Guide(EPG)
- Favorite Channel Editing
- Subtitle support
- Coaxial/Optical Digital Audio Output
- Parental Rating Setting
- Time-Zone and daylight-saving time options
- Time-shift Function (enable to pause live TV)
- Low power consumption
- USB 2.0 Host Interface supports

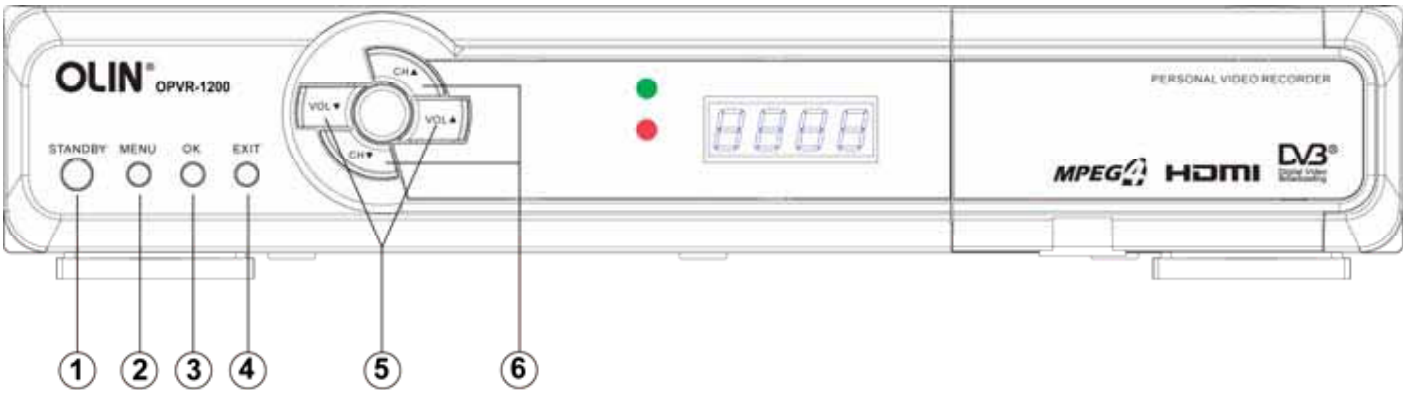
Package Contents

Before installation, please check the items of the package. The package should contain the following items:

1. Personal Video Recorder (PVR)	x 1
2. Remote control	x 1
3. AAA size battery for the remote control	x 2
4. Instruction manual	x 1
5. AV cable	x 1
6. YPbPr cable	x 1
7. RF cable	x 1
8. Warranty card	x 1
9. Quick guide	x 1

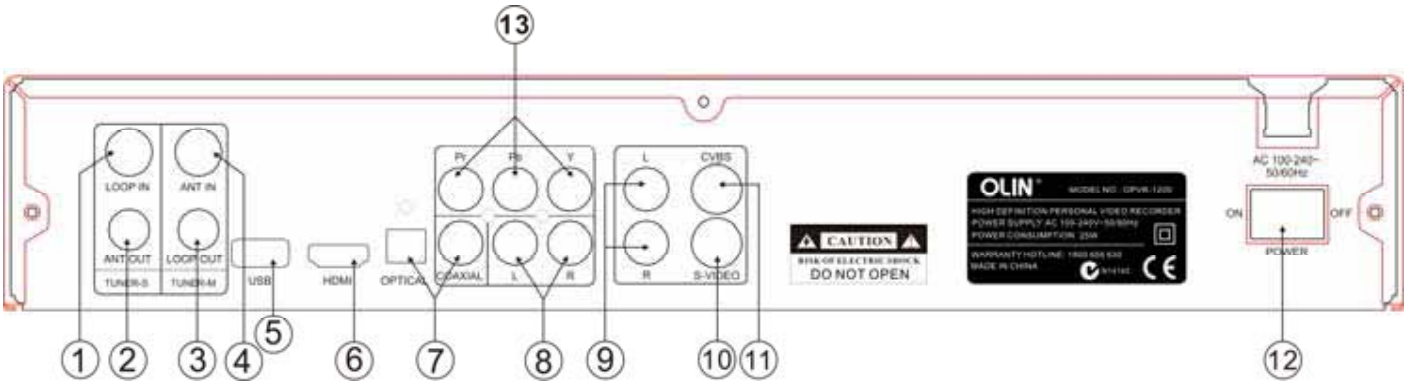
Front Panel and Rear Panel Illustration

Front Panel



① **STANDBY:** To turn the standby mode ON/OFF.
② **Menu:** To enter into the main menu. Press again to exit to previous menu.
③ **OK:** To confirm the selected menu item.
④ **VOL-/+:** To control the level of the volume.
⑤ **CH-/+:** To change the channel down/up.

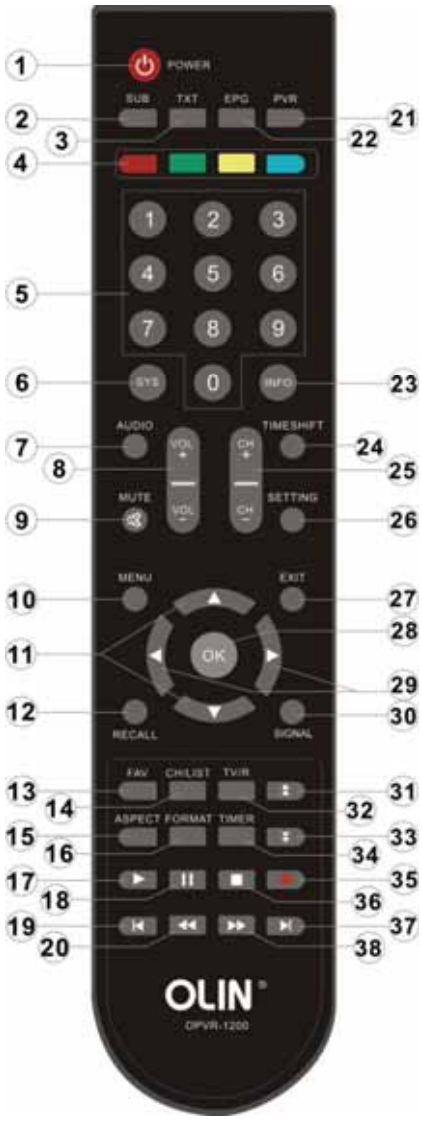
Rear Panel



① **LOOP IN:** RF signal input to connect RF loopback cable.
② **ANT OUT:** RF signal output to other reception equipment.
③ **LOOP OUT:** RF signal output to connect loop in.
④ **ANT IN:** To connect the antenna.
⑤ **USB:** The port for software upgrade. (Note: This feature is built-in only for distributor's customer support team in the event of restoring the system or repairing. User is not recommended to perform the firmware upgrading by oneself. Attempt of doing so may result in unit malfunction.)
⑥ **HDMI** Video output used to connect to your HDMI device.
⑦ **OPTICAL/COAXIAL** Digital audio output.
⑧ **AUDIO L/R** Audio output to connect to your TV.
⑨ **AUDIO L/R** Audio output to connect to your TV.
⑩ **S-VIDEO** S-VIDEO output to connect to you TV.
⑪ **CVBS** CVBS output to connect to your TV.
⑫ **POWER** Switch ON/OFF.
⑬ **YPbPr** High definition video output to connect to your TV.

Remote control

Remote key functions:



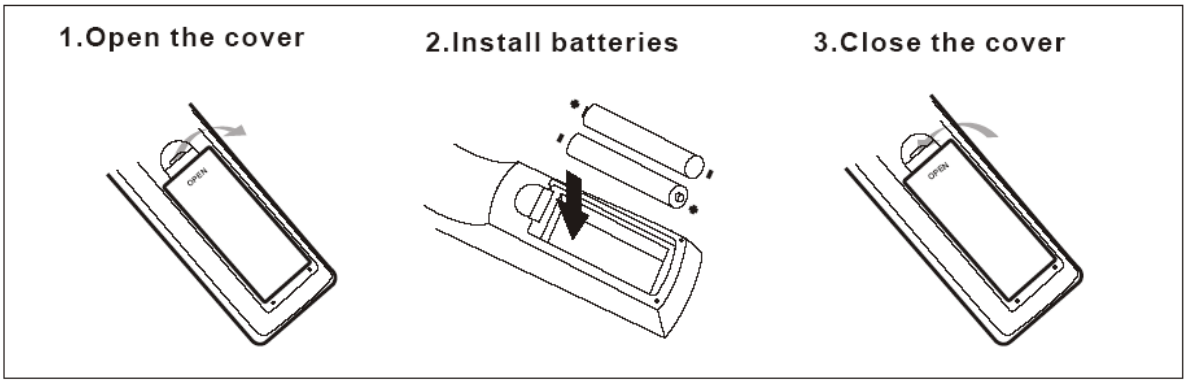
1. **POWER**：To turn the standby mode ON/OFF.
2. **SUB**：To switch the subtitle ON/OFF.
3. **TXT:** To switch the Teletext service ON/OFF. (The availability of Teletext is subject to channel broadcasting in each region.)
4. **4 COLOR KEY**：To assist the operation of the PVR.
5. **Numeric buttons (0-9)** ：To control the numerical operation and especially to change program directly.
6. **SYS**：To view the software/hardware of the unit.
7. **AUDIO:** To display the Audio info of the selected program.
8. **VOL+/-:** To control the level of the volume.
9. **MUTE:** To mute or recover the sound of the unit.
10. **MENU**：To enter into the main menu, Press again to exit to previous menu.
11. **▲▼:** To change the program up /down or to move the program up/down in the menu mode.
12. **RECALL:** To return to view the previous program.
13. **FAV:** To access and exit the favorite programs list.
14. **CH/LIST:** To call out the program list.
15. **ASPECT:** To change aspect ratio(16:9, 4:3 letter box, Pan Scan).
16. **FORMAT**：To switch the different resolution (1080i, 720P，576P supported).
17. **PLAY:** To play a record or resume time shift.
18. **PAUSE**：To pause the current program when press once and continue playing when press again.
19. **FIRST:** To go to the starting point of a program (in time shift or PVR mode).
20. **REW:** To rewind playing record or time shift (support 2X, 4X, 8X, 16X, 32X).
21. **PVR:** To enter record program list.
22. **EPG**：Electronic Program Guide
23. **INFO:** To display the current program information.
24. **TIMESHIFT:** To open / close the time shift.
25. **CH+/-:** To change the program upward/downward.
26. **SETTING:** System setup.
27. **EXIT:** To cancel operation or exit the menu directly.
28. **OK**: To confirm the selected menu item / to open the program list.
29. **◄►:** To control the level of the volume/to move left/right in menu mode.
30. **SIGNAL:** To show the quality / level of signal.
31. **PAGE UP:** To enter into the next / previous page.

Remote control

32. TV/R: To switch the program between TV and Radio.
33. PAGE DOWN: To enter into the next / previous page.
34. TIEMR: To add a new timer.
35. REC：To start an instant record on current channel.
36. STOP: To stop the existing program (recording, time shift).
37. END: To go to the end of the program.
38. FF: To forward playing record or time shift (support 2X, 4X, 8X, 16X, 32X).

Installing the Batteries

Remove the battery cover from the remote control and put two AAA size batteries inside the compartment. The diagram inside the battery compartment shows the correct way to install the batteries.



Caution:

1. Keep batteries out of children's reach.
2. Don't attempt to recharge, short-circuit, disassemble heat or throw the batteries into the fire.
3. Always replace both batteries at the same time. Never mix new and old batteries or batteries of a different type.
4. If the remote controller is not in use for an extended period, please remove the batteries to prevent possible leakage and corrosion.
5. Do not drop, apply shock or step on the remote control.
6. Do not spill water on the remote control.

Note: If the unit does not work when using the remote control from a close range, it is required to replace the batteries.

Using the Remote Control

1. To use the remote control, point it towards the front of this unit.
2. The remote control has a range of up to 7 meters from the PVR at an angle of up to 30 degrees.
3. The remote control will not work if its path is blocked.

Note: Sunlight or very bright light will decrease the sensitivity of the remote control.

Connecting to Equipments

How to get good reception

- In general you are not required to change the existing antenna. However if your antenna is not in good condition you should consider replacing them to ensure uninterrupted digital television viewing.
- Viewers in areas of poor analog reception may need special advice about antenna requirements for digital reception in their area.
- It's recommended that viewers use quad shielded cable from the antenna to the television.

Connections to a TV

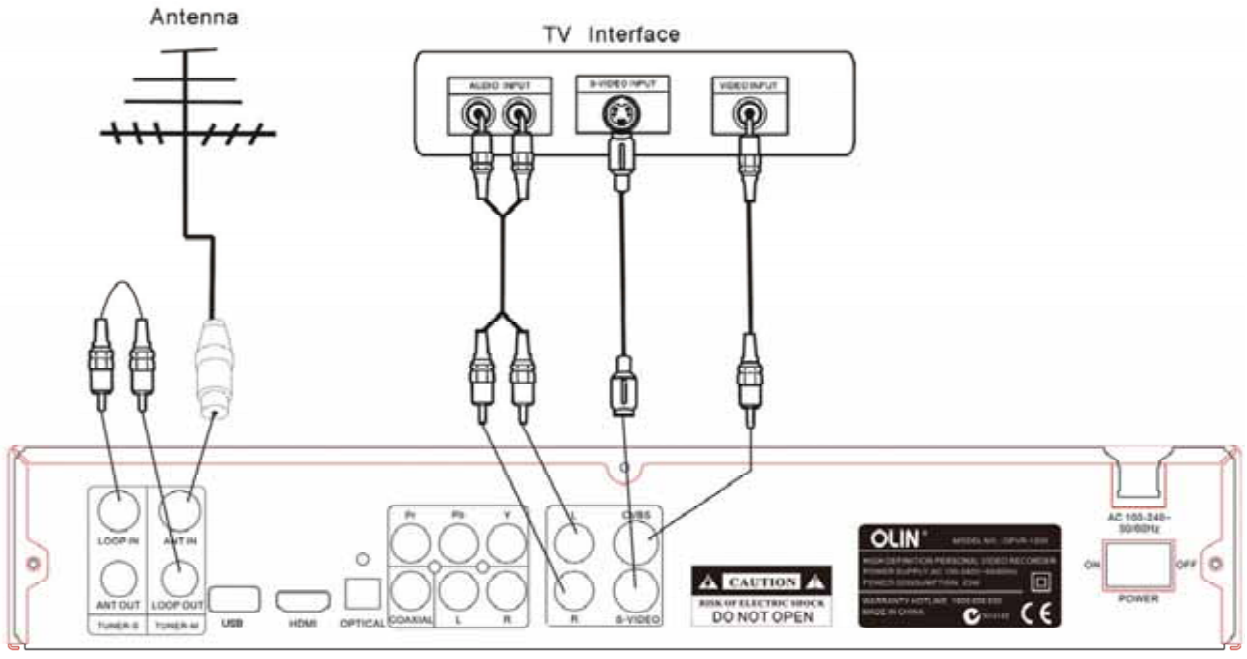
There are several ways of connecting this unit to the TV and Hi-Fi System. For high definition viewing your TV must support 576p, 720p and 1080i resolution. Also the connection between this unit and TV must be YPbPr component, or HDMI. Other connection will provide standard definition viewing.

Warning

Please switch OFF the mains power before plugging or unplugging connection cables, otherwise, it may damage this unit!

Connect the unit via Audio/CVBS/S-VIDEO
(for standard definition viewing)

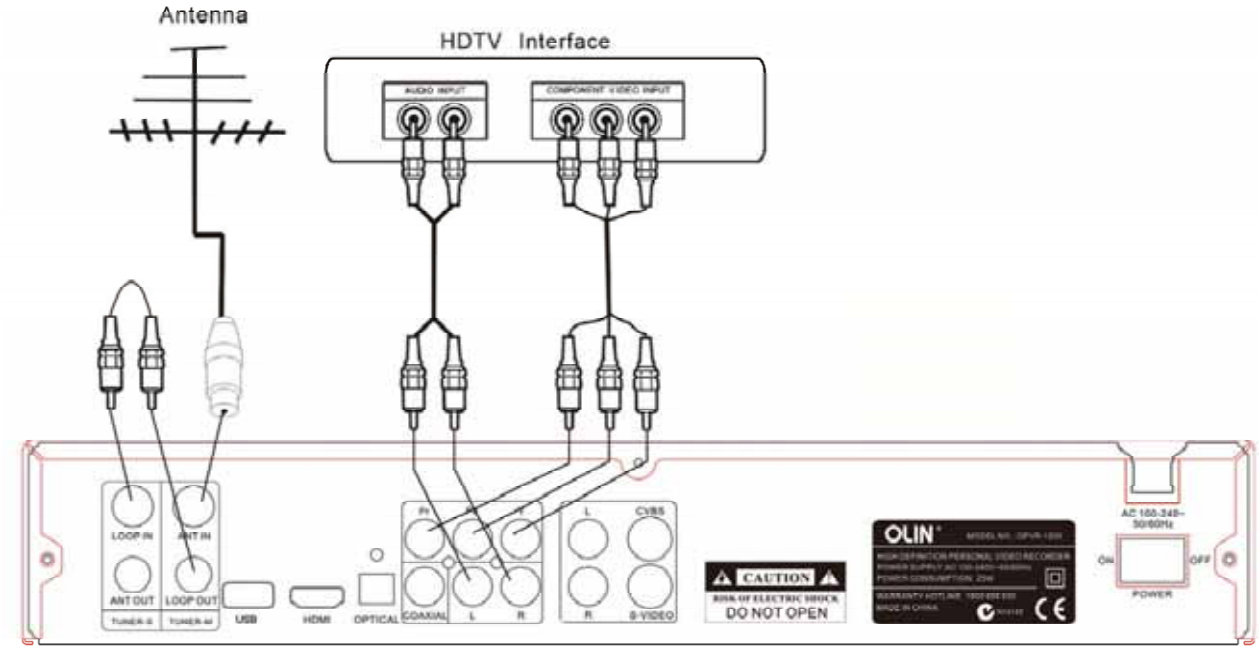
1. Connect the antenna with ANT IN of the unit.
2. Connect the RF loop cable via LOOP IN and LOOP OUT.
3. Connect the unit via CVBS/ S-Video/Audio L/R.



Connecting to Equipments

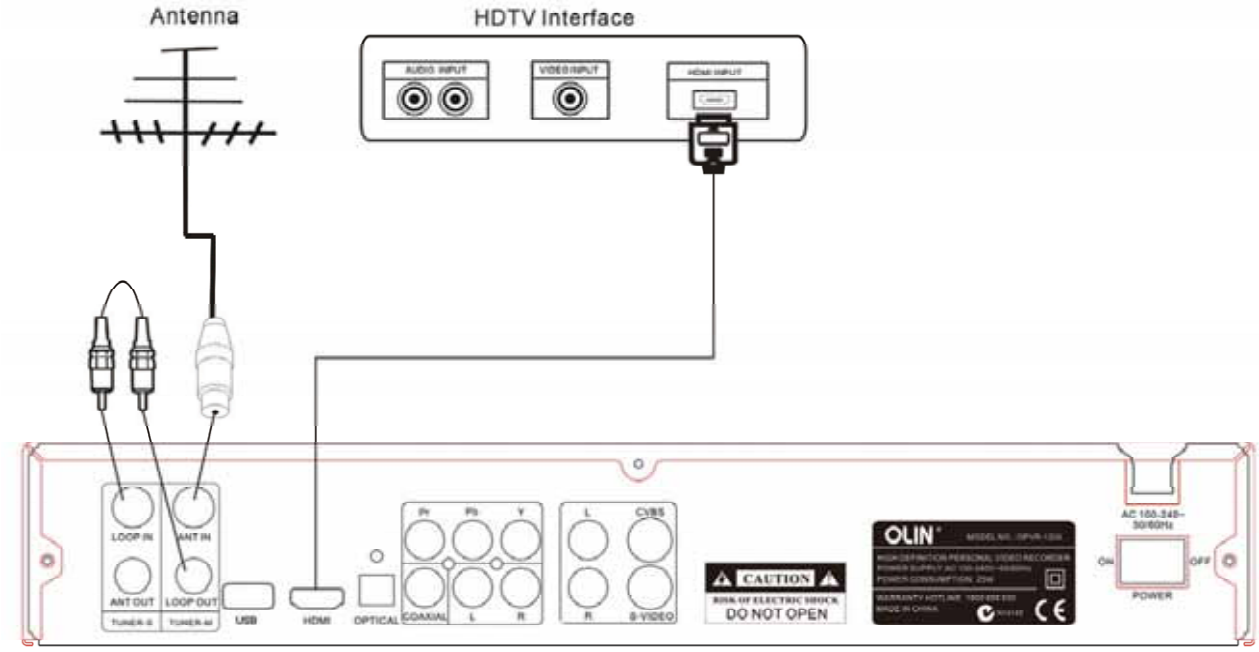
Connect the unit via YPbPr output and Audio output (for high definition viewing)

1. Connect the antenna with ANT IN of the unit.
2. Connect the RF loop cable via LOOP IN and LOOP OUT.
3. Connect the unit to TV via YPbPr cable as the following figure.



Connect the unit via HDMI output (for high definition viewing)

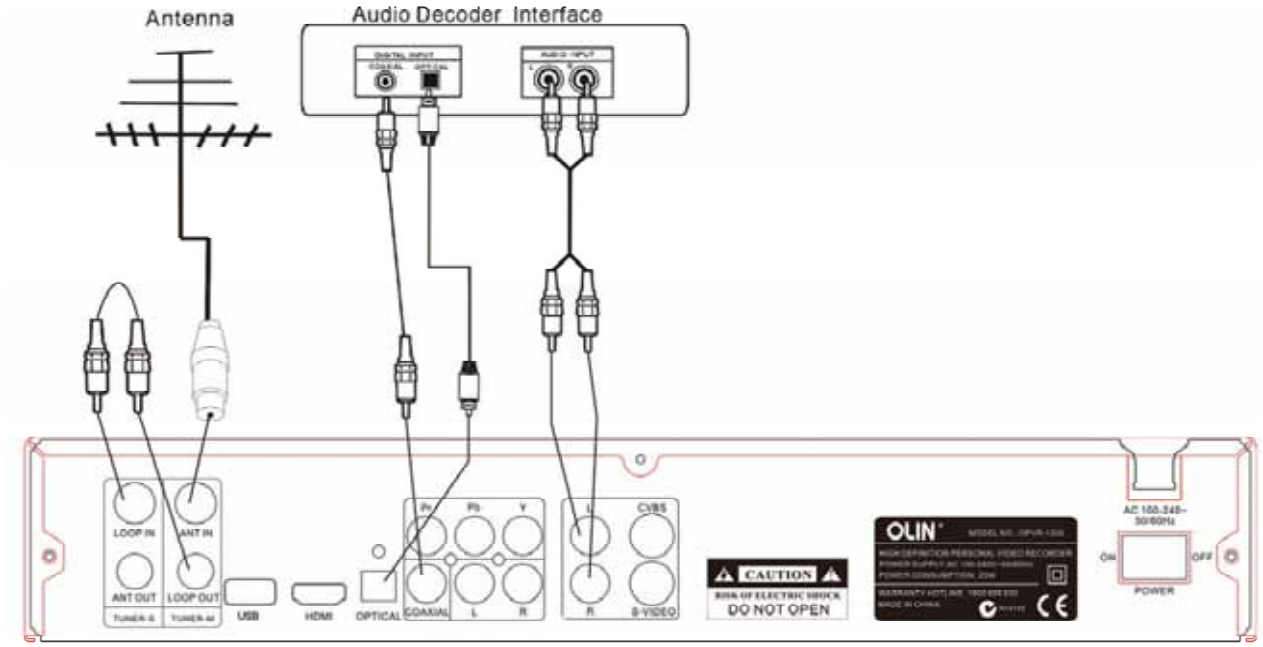
1. Connect the antenna with ANT IN of the unit.
2. Connect the RF loop cable via LOOP IN and LOOP OUT.
3. Connect the unit to TV via HDMI Cable as the following figure.



Connecting to Equipments

Audio connections via Optical/Coaxial/Mixed Audio L/R Output

1. Connect the antenna with ANT IN of the unit.
2. Connect the RF loop cable via LOOP IN and LOOP OUT.
3. Connect the unit to TV via AV cable as the following figure.



First Time Installation

Note: Be sure to turn on the main power at the rear of the unit before using it.

After all the connections have been made properly, switch on your TV. Make sure the unit is connected to the power supply and press **Power** on the remote control to switch on the unit. If you are using the unit for the first time or restored to factory default, a **First Time Installation** menu will be displayed to guide you through the initial setup to set the time zone, the daylight saving, the TV screen type and scan channels. Please use the remote controller to finish the setup.

When the scanning is finished, all found active channels will be stored automatically. The last found channel will be viewed. (In case you want to stop the scanning, press the **EXIT** key to exit. The already found channels will be stored).

Now you are ready to watch digital terrestrial TV channels and listen to radio broadcasts.

To skip the **First Time Installation** screen, you can press **MENU/EXIT** key to bring up the main menu (please refer to page 16 for operation guidance)

Basic Operations

Switch Program

1. Press the NUMERIC keys (0~9) on the remote control to select the channel number you want.
2. Press the ▲▼ key on the remote control or CH+/- on the front panel of the unit to change the available channels upward/downward.
3. Press the RECALL key to view the previous selected channel.

Volume control

1. Press the ◄► key on the remote control, front panel or VOL+/- to adjust the volume. The following volume bar will appear on screen.

Mute

1. Press the **MUTE** key to temporarily stop the sound.
2. To cancel mute, press the **MUTE** key again or press ◄► key.

Note: MUTE key is also valid in menu /EPG / Program list etc.

Change an audio language and audio mode

Press the **AUDIO** key on the remote control to select the audio control menu, press the ◄►,▲▼, OK keys to select an audio language you want. Press **EXIT** key to exit the menu.

Note: the Languages depend on the program providers.

Change screen aspect

Press **ASPECT** key to switch screen aspect mode (16:9 full screen, 16:9 letter box, 4:3 full screen, 4:3 letter box, Pan Scan).

Change video resolution

Press **FORMAT** key to set the video resolution mode (1080i, 720P，576P).

Note: this unit is default set to 1080i.

Change TV/Radio mode

Press **TV/RADIO** key to change the program mode between TV and Radio.

Note: The voice will appear after 5 seconds in the Radio mode.

View program info

1. Press **INFO** key to view the brief introduction of current program.
2. Press **INFO/ EXIT** to exit view.

Basic Operations

Subtitle

Press **SUB** key to switch subtitle on/off.

Note: The availability of subtitle depends on the program providers.

Teletext service

1. Press **TXT** key to open a teletext page (if the teletext is transmitted)
2. Press **EXIT** key again or press EXIT key to close the teletext.

Note: The availability of Teletext is subject to channel broadcasting in each region.

SYS

1. Press **SYS** key to view the software/hardware of the unit.
2. Press **EXIT** or **SYS** key to exit.

FAV

1. Press **FAV** key to view the favorite channel.
2. Press ▲▼key to select you want, press OK / FAV key to play full-screen.

CH.LIST

1. Press **CH.LIST** key to view TV List / Radio List.
2. Press ▲▼key to select, press OK key to confirm and play full-screen.

Timer

Press **TIMER** key to view record timer menu.

PVR

Press **PVR** key to enter record program list.

REC

Press **REC** key to start an instant record on current channel.

PLAY

Press **PLAY** key to start to play a record or resume time shift.

PAUSE

Press **PAUSE** key to pause to play or start time shift function.

STOP

Press **STOP** key to stop running current program (recording, time shift).

FIRST

Press **FIRST** key to go to the starting point of a program (in time shift or PVR mode).

Basic Operations

REW
Press **REW** key to rewind playing record or time shift (Support 2X, 4X, 8X, 16X, 32X).

FF
Press **FF** key to forward playing record or time shift (Support 2X, 4X, 8X, 16X, 32X).

END
Press **END** key to go to the end of the program.
Note: Pressing **FIRST** or **REW** key is non-effective at this point.

TIMESHIFT
Press **TIMESHIFT** to open /close the time shift.

SETTING
Press **SETTING** to set the system directly.

SIGNAL
Press **SIGNAL** to show the quality / level of the signal.

Basic Operations

EPG (Electronic Program Guide)

1. Press **EPG** key to view the EPG information that is provided by the content providers.
2. Press ▲▼ key to view the event information such as event name and event time.

SUN MON TUE WED THU FRI SAT 29 01 2010
09:30 HANNAH MONTANA
09:00 HOME IMPROVEMENT
09:30 SEVEN MORNING NEWS
10:00 SP-EXTREME: CELEBRIT
11:00 M-AMBULANCE GIRL
13:00 THE GOLDEN GIRLS
13:30 ACCORDING TO JIM
14:00 AUSTRALIAN OPEN 2010
7 Digital
CH75 858.5MHz
29 01 2010 08 : 35
◄ Previous day ► Next day Record Detail OK: Info

3. Press ▶ key to view the event information of the next day, press ◄ to view the event information of the previous day.
4. Press **YELLOW** key to set pre-record, press ▲▼ key to select the options: Record Once, Record Everyday, Record Weekly.Press OK key to confirm and an icon will appear. Press yellow key again, the icon will disappear.

SUN MON TUE WED THU FRI SAT 29 01 2010
09:30 HANNAH MONTANA
09:00 HOME IMPROVEMENT
09:30 SEVEN MORNING NEWS
10:00 SP-EXTREME: CELEBRIT
11:00 M-AMBULANCE GIRL
13:00 THE GOLDEN GIRLS
13:30 ACCORDING TO JIM
14:00 AUSTRALIAN OPEN 2
Record Once
Record Every Day
Record Weekly
◄ Previous day ► Next day Record Detail OK: Info

5. Press **BLUE** key to view the detail of the current event, press OK key to view the brief information of the current event.

HANNAH MONTANA
== 08:30~09:00 29/01/10 ==
Mamaw and Dolly come to support Miley winning an Award while Oliver shoots a public access commercial for Ricos. Starring
◄ Previous day ► Next day Record Detail OK: Info

6. Press **EPG** key again or press **EXIT** key to exit the menu.

Recording Function

Instant Recording

1. Press **REC** key to pop up a box, press▲▼◀▶keys to select the options：30M, 1H, 2H, infinite. Press OK key to confirm and start recording in Live TV mode. A Hard disk symbol with recorded time indicator will be shown on the top-left of the screen. The symbol will disappear after 15 seconds while the recording is still in progress. Press INFO key to show it again.
2. Press **STOP** key to stop recording, recorded clips can be viewed from the PVR menu.

Note:

1. During recording, you can change to watch other channels at your decision, recording will continue in the background.
2. Press the **POWER** key on the RCU, the unit will switch to standby mode. If the recording timer list is not empty, the unit will wake up 4 minutes before the scheduled recording time unless there is less than 5 minutes left before the scheduled recording time when you press the **POWER** key, in this case, the unit will switch to active standby mode and start recording at exactly the scheduled recording time.
3. It does not support subtitles during recording programs.
4. To avoid any unnecessary damage to hard disc, do not cut the power during the recording, time shift, format or any operation on disc.
5. If the loop through cable is not attached to the unit properly, the unit won't record.

Time Shift

1. Press **PAUSE** to play or start time shift function in Live TV Mode, time shift function up to half hour.
2. Press **PAUSE** key again to pause the screen while playing in time shift mode.
3. Press **FF** key to circulate between 2X, 4X, 8X, 16X, 32X fast forward & play mode.
4. Press **REW** key to circulate between 2X, 4X, 8X, 16X, 32X fast rewind & play mode.
5. Press **PREV** key to reach the start of the program.
6. Press **NEXT** key to reach the end of the program.
7. Press **STOP** key to stop time shift and return to live TV mode.

Note:

1. Only VOL, MUTE and REC keys are functional in Time Shift mode. If you press other keys, there will appear a board "Time shift is on, please press STOP key first!"
2. Pressing PLAY key is invalid during the first 5 seconds in Time Shift mode.

Main Menu

This section guides you to walk through of all options on the Menu screen.

Navigation in the Main Menu

1. Press MENU key to bring up the main menu or return previous.
2. Press▲▼ key to move upward/down to the sub menu.
3. Press OK/▶key to enter into the sub menu you select, press◀ key to return main menu.
4. Press **EXIT** key to exit the main menu.

Note: While in sub-menu, press MENU to return to upper level, press EXIT key to go back to TV program.

The main menu has 4 sections; please refer to the menu tree in the next page.

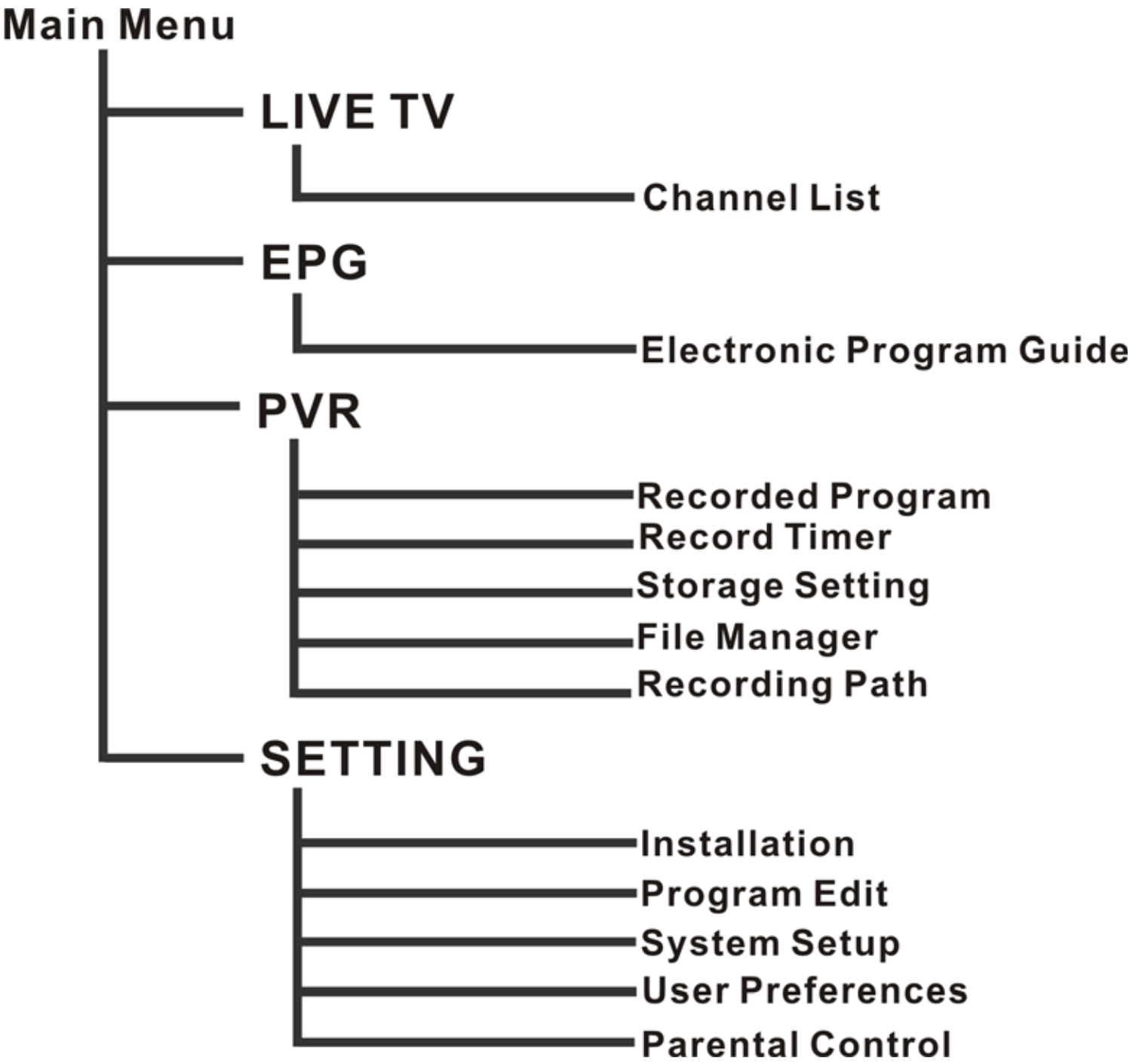
Live TV

EPG

PVR

SETTING

Main Menu


Main Menu
LIVE TV
Channel List
EPG
Electronic Program Guide
PVR
Recorded Program
Record Timer
Storage Setting
File Manager
Recording Path
SETTING
Installation
Program Edit
System Setup
User Preferences
Parental Control

LIVE TV

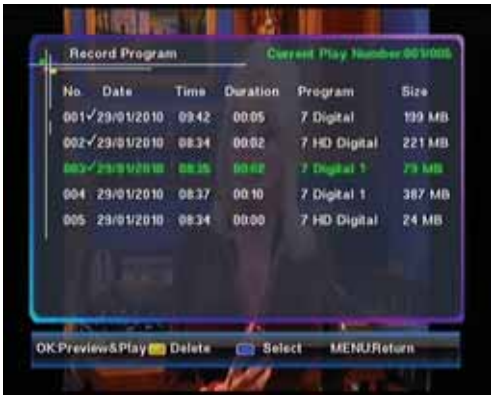
Live TV

1. Go to Main menu > Live TV.
2. Press **OK** key to view TV program list.
3. Press▲▼ key to select the program you want and press OK key to confirm.
4. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

PVR

Recorded Program

1. Go to Main menu > PVR > Recorded Program.
2. Press **OK** key to view PVR List.
3. Press ▲▼ key to select the program, press OK key to pre-view, and press OK key again to full-screen view.
4. Press **BLUE** key to mark this program, a check icon" √ " will appear. Press **BLUE** key again to cancel the operation, the icon will disappear, and press yellow key to delete the selected program.
5. Press **EXIT** key to exit all menu or press MENU to return to the previous menu.


Record Program
No. Date Time Duration Program Size
001 29/01/2010 09:42 00:05 7 Digital 199 MB
002 29/01/2010 08:34 00:02 7 HD Digital 221 MB
004 29/01/2010 08:37 00:10 7 Digital 1 387 MB
005 29/01/2010 08:34 00:00 7 HD Digital 24 MB
OK:Preview&Play Delete Select MENU:Return

Note:

1. Please select storage location, either HDD or USB, in the Recording Path before recording.
2. It will not play PVR programs automatically after enter the PVR list.
3. It does not support subtitles in the PVR play mode.
4. Numeric keys, CH +/-, FORMAT, EPG, TXT, Radio/TV, FAV, SYS, Audio and Standby are invalid in PVR mode.

Record Timer

Record Timer List

1. Go to Main menu > PVR > Record Timer>Record Timer List.
2. Press▲▼key to select the program.
3. Press **GREEN** key to mark this program, a check icon" √ " will appear. Press **GREEN** key again to cancel the operation, the icon will disappear. Press yellow key to delete.
4. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Add Record Timer

1. Go to Main menu > PVR > Record Timer>Add Record Timer.
2. Press ▲▼ to select the options: Channel, Timer mode, press **OK** key to enter submenu of selected option and Press ▲▼ key to select the item, and press **OK** key to confirm.
3. Press ▲▼ key to select the options: Start Time, Duration, press **OK** key to enter the edit mode and press◀▶key to select day, month, year and hour, minute, and press ▲▼ or input numeric number to select the time.
4. Press **RED** key to save the information.

PVR

Storage Setting

Storage Information

1. Go to Main menu > PVR >Storage Setting >Storage information.
2. Press **OK** key to display detail.
3. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Storage Format

1. Go to Main menu > PVR >Storage Setting > Storage Format.
2. A password input window will show on the screen, input the correct pin code and press OK key to confirm format.

Note: Existing platform can't support NTFS format.

File Manager

File Manager
No. Date Time Duration Program Size
001 29/01/2010 09:42 00:05 7 Digital 199 MB
003 29/01/2010 08:35 00:02 7 Digital 1 79 MB
004 29/01/2010 08:37 00:10 7 Digital 1 387 MB
005 29/01/2010 08:34 00:00 7 HD Digital 24 MB
OK:Select Copy to USB Lock/Unlock Delete Rename

1. Go to Main menu > PVR > File Manager.
2. Press ▲▼ key to select the file and press ▲▼ key to page up/down.
3. Press **OK** key to mark this program, a check icon" √ " will appear. Press OK key again to cancel the operation, the icon will disappear.
4. Press **RED** key to copy the file from HDD to USB or from USB to HDD.
5. Press **GREEN** key to lock this program, a lock icon will appear. Press **GREEN** key again to unlock the program, you will need a password to unlock. The lock icon will disappear.
6. Press **BLUE** key to show the keypad, press▲▼◀▶key to select the letters and press OK key to confirm. Press **YELLOW** key to save and quit, press **GREEN** key to delete the letters.
7. Press **YELLOW** key to delete the program.
8. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Note: Multiple files can be copied simultaneously. If you want to stop copy in half-way, it can only be stopped by pressing EXIT key after a file copy is completed. It can't be interrupted during copy.

Recording Path

1. Go to Main menu > PVR > Recording Path.
2. Press **OK** key to show a list box, press ◀▶key to select the options: HDD, USB, and press **OK** key to confirm.
3. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Note: As the recording path changed, the current file path is changed as well.

Setting

Installation

Auto Scan

1. Go to Main menu >Setting >Installation.
2. Press **RED** key to auto scan all the channels.
3. Press **EXIT** key to stop during the auto scan.

Manual Scan

1. Go to Main menu > Setting >Installation.
2. Press ▲▼ to select the channels you want to scan. Press ▼▲ key to page up/down.
3. Press **OK** key to select the channel, press again to cancel your selection. If the channel is selected, an icon " √ " will appear.
4. Repeat step2, 3 until all channels you want to search are selected.
5. Press **BLUE** key to start scanning the selected channels.
6. Press **EXIT** key to stop during the scan.

Setting

Program Edit

Edit Favorite

1. Go to Main menu > Setting>Program edit.
2. Press ▲▼ key to select the program.
3. Press **RED** key to add the program to the favorite list you selected, a FAV icon will appear.
4. Press **RED** key again to cancel this operation, the FAV icon will disappear.
5. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Lock/Unlock Program

1. Go to Main menu > Setting>Program edit.
2. Press ▲▼ key to select a program.
3. Press **GREEN** key to lock this program. A lock icon will appear.
4. Press **GREEN** key again to unlock this program. The lock icon will disappear.
5. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Setting

Delete Program

1. Go to Main menu > Setting >Program edit.
2. Press ▲▼ key to select the program.
3. Press **YELLOW** key to delete the program and a window will pop up asking you to confirm. Highlight **OK** and press **OK** key to confirm delete.
4. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Rename

1. Go to Main menu >Setting> Program edit.
2. Press ▲▼ to select a program you want to rename.
3. Press **BLUE** key to enter the Name Edit Menu. A keyboard will show on the screen.
4. Press ▲▼ ◀▶ to select the letters and press **OK** key to confirm. Press **YELLOW** key to save and quit, press **GREEN** key to delete letters.
5. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Note: You can only enter maximum 16 letters.

Setting

System Setup

A/V Output Setting

1. Go to Main menu >Setting> System setup > A/V output setting.
2. Press ▲▼ key to select the options: Video Resolution, Aspect Radio, and Audio SPDIF. And press **OK** key to enter submenu of selected option.
3. Press ▲▼ key to select the item, and press **OK** key to confirm.
4. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Resolution supported: 1080i, 720P, 576P. Screen aspect supported: 16:9 Full, 16:9 Letter box, 4:3 Full, 4:3 Letter box and Panscan.

Audio SPDIF: Auto, PCM, Compress, OFF.

Local Time Setting

1. Go to Main menu > Setting > System setup > Local Time Setting.
2. Press ▲▼ key to select the options: Time zone, Daylight saving, and press **OK** key to enter submenu of selected option.
3. Press ▲▼ key to select the item, and press **OK** key to confirm.
4. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Timer Setup

TV Timer List

TV/Radio Timer List
No. Channel Time Date Mode
001 TEN HD 09:37:01 06/02/2009 POWER OFF
003 TEN HD 09:37:08 06/02/2009 EVERY DAY
Move Select Delete MENU/EXIT:Return

1. Go to Main menu > Setting > System setup >Timer Setup> TV / Radio Timer List.
2. Press▲▼key to select the program.
3. Press **GREEN** key to mark this program, a check icon“ √ ” will appear. Press **GREEN** key again to cancel the operation, the icon will disappear. Press **YELLOW** key to delete.
4. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Add TV Timer

TV/Radio Timer Setting
Timer Control Reminder Once
Channel Mode TV
Channel No 7 7 Digital
Start Time 29/01/10 08:36
Move OK : Select Save

1. Go to Main menu > Setting > System setup >Timer Setup>Add TV / Radio Timer.
2. Press ▲▼ to select the options: Timer Control, Channel Mode, Channel No.. Press **OK** key to enter submenu of selected option and press ▲▼ key to select the item that you want to set, and press **OK** key to confirm.
3. Press ▲▼ key to select the option: Start Time, press OK key and press ◀ ▶ key to select day, month, year and hour, minute, and press ▲▼ or input numeric number to select the time you want.
4. Press **RED** key to save the information.
5. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

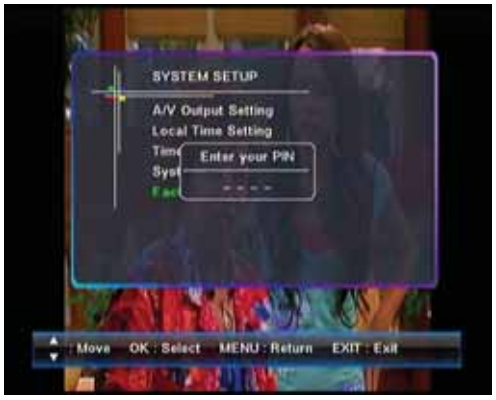
Setting

System Information

1. Go to Main menu > Setting > System Setup > System Information.
2. Press **OK** key to view the software/hardware Information of this unit.

Factory Default

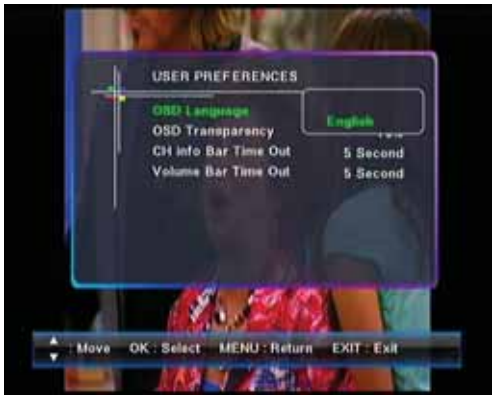
1. Go to Main menu > Setting >System Setup > Factory Default.
2. Press **OK** key and input the correct the PIN code and press **OK** key again to confirm your selection, the factory default data will be loaded.
   Note: Factory default PIN is “0000”.



User preferences

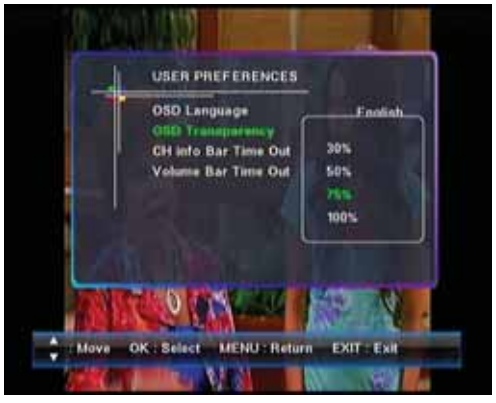
OSD Language

Go to Main menu > Setting > User preferences >OSD language.
Only English is supported for this unit.



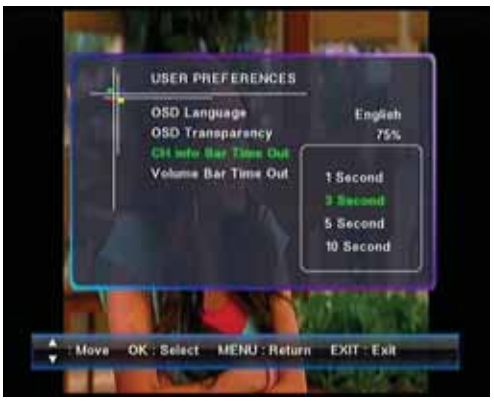
OSD Transparency

1. Go to Main menu > Setting > User Preferences >OSD Transparency.
2. Press ▲▼ key to select the **OSD** Transparency option, and press **OK** key to enter submenu.
3. Press ▲▼ key to select the transparency value (4 transparency modes are available: 30%, 50%, 75%, 100%), and press **OK** key to confirm.
4. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.



CH Info Bar Time Out

1. Go to Main menu > Setting > User preferences >CH Info Bar Time Out.
2. Press ▲▼ key to select the **CH Info Bar Time Out** option, and press **OK** key to enter submenu.
3. Press ▲▼ key to select the timeout (4 timeout modes are available: 1 second, 3 second, 5 second, 10 second), and press **OK** key to confirm.
4. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.



Volume Bar Time Out

1. Go to Main menu > Setting > User preferences >Volume Bar Time Out.
2. Press ▲▼ key to select the **Volume Bar Time Out** option, and press **OK** key to enter submenu.
3. Press ▲▼ key to select the timeout (4 timeout modes are available: 1 second, 3 second, 5.second, 10 second), and press **OK** key to confirm.
4. Press **EXIT** key to exit all menu or press **MENU** key to return to the previous menu.

Setting

Parental Control

1. Go to Main menu > Setting >Parental control.
2. Press ▲▼ key to select the Parental Control option, and press **OK** key and input the correct the PIN code to enter the submenu.

1. Parental Rating

To set the rating level

There are up to 8 levels are available.

ALL: All programs are blocked

G: General

PG: Parental guidance

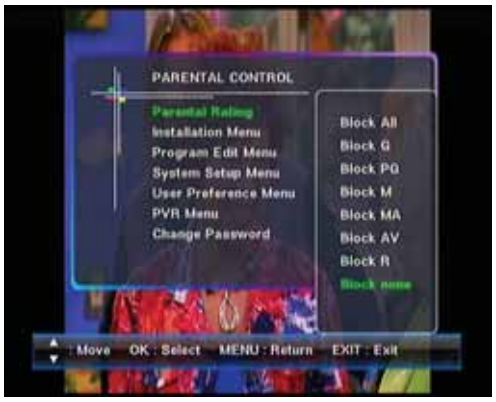
M: Mature audience, 15+ year old

MA: Mature adult audience 15+ year old

AV: Adult audience, strong violence, 15+ year old

R: Restricted, 18+ year old

None: No programs are blocked

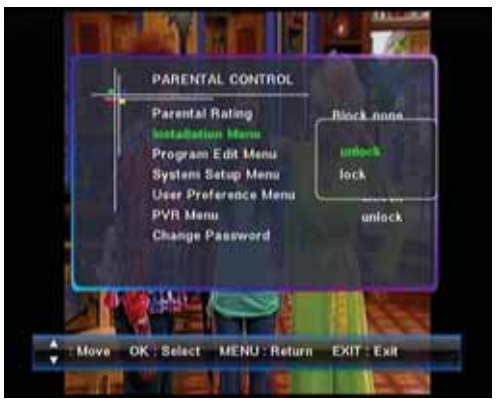


2. Installation Menu

To lock/ unlock the Installation Menu

3. Program Edit Menu

To lock/ unlock the Channel Edit Menu



4. System Setup Menu

To lock/ unlock the Setup Menu

5. User preferences Menu

To lock/ unlock the User preferences Menu

6. PVR Menu

To lock/ unlock the PVR Menu

7. Change Password

To modify the user's password

Note: Factory default password is "0000".

If you forgot your password, please input the override code 7710 to unlock.

Trouble Shooting

If you experience problems with this unit or its installation, in the first instance please read carefully the relevant sections of this User Manual and this Troubleshooting section.

Problem	Possible cause	What to do
Display on front panel not lit	Main lead unplugged	Check mains lead
	Main fuse blown	Check fuse
No signal found	Aerial is disconnected Aerial is damaged/misaligned	Check aerial lead Check aerial
	Out of digital signal area	Check with dealer
No picture or sound	Program not broadcasting now	Retune to another channel
Mosaic blocks in picture or picture freezes	Aerial may not be compatible	Check aerial
Scrambled channel message	Channel is scrambled	Select an alternative channel
Forgotten channel lock code		Use the override code
No response to remote control	Receiver off	Plug in and turn on the unit
	Handset not aimed correctly	Aim handset at front panel
	Front panel obstructed	Check for obstructions
	Remote control batteries are inserted incorrectly	Check batteries direction
	Handset batteries exhausted	Replace remote control batteries
After moving the unit to another room, find can't receive the digital reception	The aerial feed may come through a distribution system which may reduce the digital signal now received by the unit.	Try a direct feed from the antenna

Warning: If this doesn't work, contact a qualified repair technician, never attempt to repair the unit yourself.

Technical Specification

Item		Specification
TunerX2	Frequency Range	VHF: 174MHz to 230MHz UHF: 470MHz to 862MHz
	Input Impedance	75Ohms unbalanced
	Signal Input Level	-78~-25dbm
	Bandwidth	6/7/8M
Demodulation	Demodulator	COFDM FFT Mode 2K,8K
	OFDM Modulation	2K, 8K FFT, SFN and MFN
	Packed Carries	2K/8K
	Guard Interval	1/4, 1/8, 1/16, 1/32
Connectors	RF IN	IEC 169-2 female connector
	RF Loop Through	IEC 165-2 male connector
	Y, Pb/Cb, Pr/Cr	RCA for component video output
	L/R	RCA, Analog audio output
	Coaxial	RCA, for SPDIF digital audio output
	HDMI	1.0 Version
	USB	USB 2.0 Host Interface supports
	Input	100-240V~50/60Hz
Power supply	Consumption	25W max.
	Decoder Module	PAL
Display	Resolution	1920X1080i,1280X720p,720X576P,720X576i
	Aspect Ratio	4:3(Letterbox, full), 16:9(Letterbox, full),
Decoding	Audio	MPEG1, MPEG2 Layer 1&2, Dolby Digital AC3, AAC/HE-AAC
	Video/S-Video	MPEG1, MPEG2 MP@ML & MP@HL, H.264 MP@L4 & MP@L4.1
	Compliance	ETSI EN 300 744 DVB-T Compliance
Others	Sound Mode	Right, Left, Stereo
	Size	340*260*60mm
	Weight (Net)	2.4kg

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